

## 25.0 AIRCRAFT REGISTRAION TRANSACTION

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## 25.0 AIRCRAFT REGISTRATION TRANSACTION

### 25.1 DESCRIPTION

Aircraft registration information about commercial and private aircraft registered with FAA is available via an Nlets transaction. This data is provided by Nlets by formatting a transaction to go to the FAA internet website, “screen scraping” the data, formatting it, then returning the data to the terminal from which the query was made.

See Appendix A, Section 25.0 for XML registration formats and examples.  
See Appendix B, Section 25.0 for Native registration formats and examples.

### 25.2 INQUIRY MESSAGE KEY

**GQ** Aircraft Registration Query

### 25.3 INQUIRY DESTINATION LIMITATIONS

GQ All queries must be directed to the two-character code “FA”

## 12.4 DATA ELEMENTS

### 25.4.1 GQ DATA ELEMENTS

Field	MFC
Message key	None
ORI of requesting agency	None
Destination Code (must be FA)	None
Fixed field prefix denoting beginning of message	TXT
Attention Field	ATN/
Registration number	REG/
Serial number	SER/
Name	NAM/
Sighted?	SIT/
Date of sighting	DOS/

### 25.4.2 GQ INQUIRY FORMATS

Should the aircraft be the subject of a TECS record, a hit notification message will be sent to those officers on TECS who have an interest in the suspect aircraft.



GQ•ORI•FA•TXT ATN/\_\_\_\_\_.•REG/\_\_\_\_\_.•SIT/\_.•DOS/\_\_\_\_\_

OR

GQ•ORI•FA•TXT ATN/\_\_\_\_\_.•SER/\_\_\_\_\_

OR

GQ•ORI•FA•TXT ATN/\_\_\_\_\_.•NAM/\_\_\_\_\_

 Mandatory fields  
 Conditional fields

### 25.4.3 INQUIRY BY REG - EXAMPLE

```
GQ.NL0000000.FA.TXT ATN/INVESTIGATOR JONES.REG/N1.SIT/Y.DOS/20070101
```

### 25.4.4 INQUIRY BY SER - EXAMPLE

Queries by SER may generate hit lists of up to 50 matches.

```
GQ.NL0000000.FA.TXT ATN/INVESTIGATOR JONES.SER/12345678901234567890
```

### 25.4.5 INQUIRY BY NAM - EXAMPLE

Queries by NAM may generate hit lists of up to 50 matches.

Names are queried using Last, First, and Middle Initial; while business names are queried with spaces between each name. All name queries are soundexed with the exact matches being at the top of the hit list on multiple hits.

Upon receipt of the hit list of abbreviated information on each aircraft, the user must enter another query using the registration number that is displayed on each hit list entry.

```
GQ.NL0000000.FA.ATN/INVESTIGATOR JONES.NAM/TEST,NLETS
```

## 25.5 INQUIRY RESPONSES

Responses to GQ Inquiries can include:

- Any or all of the following data elements:
  - Aircraft registration number
  - Serial number
  - Year
  - Make
  - Model
  - Type
  - Manufacturer
  - Class
  - Engine Type
  - Name of Registrant
  - Address of Registrant
- NOT ON FILE
- TEMPORARILY UNAVAILABLE

### 25.5.1 INQUIRY RESPONSE - EXAMPLE

#### NEGATIVE RESPONSE

```
NO REGISTRATION RECORD ON REG/NTST
```

## **MULTIPLE RECORD RESPONSE**

7 MATCHES ON NAM/WORLD AIRWAYS INC

1

N749WA

BOEING

747-273C

WORLDAIRWAYSINC

2

N112WA

DOUGLAS

DC-10-30F

WORLDAIRWAYSINC

3

N108WA

DOUGLAS

DC-10-30F

WORLDAIRWAYSINC

4

N107WA

DOUGLAS

DC-10-30F

WORLDAIRWAYSINC

5

N106WA

DOUGLAS

DC-10-30F

WORLDAIRWAYSINC

6

N5363M

CESSNA

152

WORLDROSESINC

7

N2038U

BEECH

V35B

WORLD AEROSPACE LTD

## **POSITIVE RESPONSE**

AIRCRAFT REGISTRATION RECORD

REG NR:N106WA SERIAL NR: 46835

YR:79 MAKE:DOUGLAS MODEL:DC-10-30F TYPE:FIXED WING MULTIENGINE

MFG:3023503 CLASS:STANDARD APPROVED OP:TRANSPORT ENGINES:3-TURBOJET

REGISTRANT:WORLD AIRWAYS INC

ADDRESS:OAKLAND INTERNATIONAL AIRPORT/OAKLAND/CAUS/94614

ISSUED:061885 VALIDATED:061885

## 25.6 MESSAGE FIELD CODE (MFC) DIRECTORY

Each message transaction is comprised of multiple data elements; this section provides the necessary information on data elements for this transaction. Each data element is identified by a specific field name. Each field name is abbreviated with a unique three-character code called a message field code (MFC). The MFC's are sorted alphabetically, then followed by a plain-word description of each. The number immediately following the description indicates the maximum number of characters allowed for that data element. Below the description line is text describing specific requirements for this field.

### 25.6.1 **ATN** NAME OF PERSON MAKING QUERY - **30**

#### **MANDATORY**

Alphanumeric;— Must Name and ID # of person making query.

### 25.6.2 **DOS** DATE OF SIGHTING - **10**

#### **CONDITIONAL**

Numeric only;— Must be CCYY-MM-DD (or) CCYYMMDD. Complete date of birth.

- Mandatory in query by REG when the SIT field is "Y"
- Not allowed in any other transaction

### 25.6.3 **NAM** NAME - **40**

#### **CONDITIONAL**

Alpha only; Queries by NAM may generate hit lists of up to 50 matches.

Person names formatted: Last, First, and Middle Initial;

Business names formatted: As displayed with spaces between each name.

All name queries are soundexed with the exact matches being at the top of the hit list on multiple hits. Upon receipt of the hit list of abbreviated information on each aircraft, the user must enter another query using the registration number that is displayed on each hit list entry.

- 
- Mandatory in query by NAM
- Not allowed in any other transaction

#### 25.6.4 **REG** AIRCRAFT TAIL NUMBER - **6**

##### **CONDITIONAL**

Alphanumeric; Tail number of aircraft that is the subject of the query;

- Mandatory in query in by REG number
- Not allowed in other transactions

#### 25.6.5 **SER** AIRCRAFT SERIAL NUMBER - **16**

##### **CONDITIONAL**

Alphanumeric; serial number of aircraft that is the subject of the query;

- Mandatory in query in by REG number
- Not allowed in other transactions

#### 25.6.6 **SIT** WAS THE AIRCRAFT SIGHED - **1**

##### **CONDITIONAL**

Alpha; Indicates whether or not the aircraft has been sighted. Use only on inquiries by REG. If yes, the DOS field must also be used.

- Mandatory in query in by REG
- Not allowed in other transactions